

ABSTRACT

1 A sealing system for sealing one end of a rotating
2 shaft from fluids. The sealing system includes a
3 resilient bellows element connected at each end to a
4 thrust plate. The bellows acts like a compression spring
5 forcing the thrust plates against respective sealing
6 elements and thereby forming two dynamic seals around the
7 shaft. Each of the dynamic seals alternately rotate with
8 the shaft, depending upon the respective forces of
9 friction acting on each.